AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1   1. (Currently amended) A system for enabling one or more
2 arbitrary components to communicate with each other, the system
3 comprising:
4   a first component associated with one or more universal interfaces,
5 wherein the one or more universal interfaces comprise executable code and
6 data;
7   a second component obtaining one of the one or more universal
8 interfaces associated with the first component, wherein the second component
9 includes a discovery mechanism configured to discover the first component;
10   wherein the second component automatically invokes at least one of the
11 universal interfaces to communicate with the first component; and
12   wherein the second component and the first component do not share a
13 standard communication protocol which is distinct from a discovery protocol.

1   2. (Original) The system as set forth in claim 1 wherein the first
2 component transfers a data object to the second component, the data object
3 having the one or more universal interfaces.

1   3. (Original) The system as set forth in claim 1 wherein the first
2 component transfers a data object to the second component, the data object
3 having instructions and data for accessing the one or more universal interfaces.

1   4. (Original) The system as set forth in claim 1 wherein the second

2   component has instructions and data for accessing a data object, the data object

3   having the one or more universal interfaces.

1   5. (Original) The system as set forth in claim 1 wherein the second

2   component interacts with an operating system environment, the operating

3   system environment having instructions and data for accessing a data object

4   having the one or more universal interfaces.

1   6. (Original) The system as set forth in claim 1 wherein the second

2   component has instructions and data for using the one or more universal

3   interfaces.

1   7. (Original) The system as set forth in claim 1 wherein a third

2   component transfers a data object to the second component, the data object

3   having the one or more universal interfaces associated with the first

4   component.

1   8. (Original) The system as set forth in claim 1 wherein the one or more

2   universal interfaces comprise a data source interface, a data sink interface, an

3   aggregation interface, a mutable aggregation interface, a context interface, a

4   notification interface or a user interface.

1   9. (Original) The system as set forth in claim 1 wherein the one or more

2   universal interfaces comprise object-oriented mobile code having instructions

3   for obtaining, interpreting, viewing or modifying data associated with one or

4   more collections of components, providing one or more user interfaces to allow

5   one or more components to be accessed or manipulated, allowing one or more

3

6   components to provide event notifications or retrieving contextual data

7   associated with the second component.

1   10. (Original) The system as set forth in claim 1 wherein one of the one

2   or more universal interfaces comprise a source-specific data transfer session

3   having instructions for converting data transferred through the source-specific

4   data transfer session.

1   11. (Original) The system as set forth in claim 1 wherein the one or more

2   arbitrary components comprise a computer system, device, network service,

3   application, data, memory, file directory or individual file.

1   12. (Currently amended) A method for enabling one or more

2   arbitrary components to communicate with each other, the method

3   comprising:

4   performing a discovery at a second component to discover a

5   first component;

6   obtaining one of one or more universal interfaces associated with

7   the first component at the second component, wherein the one or more

8   universal interfaces comprise executable code and data;

9   automatically invoking at least one of the universal interfaces at the

10 second component to communicate with the first component; and

11   wherein the second component and the first component do not share a

12 standard communication protocol which is distinct from a discovery protocol.

1   13. (Original) The method as set forth in claim 12 further comprising

2   transferring a data object to a second component, the data object having the one

3   or more universal interfaces.

1   14. (Original) The method as set forth in claim 12 further comprising

2   transferring a data object to a second component, the data object having

3   instructions and data for enabling the second component to use the one or more

4   universal interfaces.

1   15. (Original) The method as set forth in claim 12 further comprising

2   transferring a data object to a second component, the second component having

3   instructions and data for enabling it to use the one or more universal interfaces.

1   16. (Original) The method as set forth in claim 12 wherein a second

2   component interacts with an operating system environment, the operating

3   system environment having instructions and data for enabling the second

4   component to use the one or more universal interfaces.

1   17. (Original) The method as set forth in claim 12 wherein a second

2   component performs instructions for using the one or more universal interfaces.

1   18. (Original) The method as set forth in claim 12 wherein a third

2   component transfers a data object to a second component, the data object having

3   the one or more universal interfaces associated with the first component.

1   19. (Original) The method as set forth in claim 12 wherein the one or

2   more universal interfaces comprise a data source interface, a data sink interface,

3   an aggregation interface, a mutable aggregation interface, a context interface, a

4   notification interface or a user interface.

1   20. (Original) The method as set forth in claim 12 wherein the one or

2   more universal interfaces comprise object-oriented mobile code having

3   instructions for obtaining, interpreting, viewing or modifying obtaining, viewing

4   or modifying data associated with a collection of components, providing an

5   interface to allow requested components to be accessed or manipulated directly,

6   allowing requested components to provide the one or more other components

7   with status updates of the requested components or retrieving contextual data

8   associated with the second component.

1   21. (Original) The method as set forth in claim 12 wherein one of the

2   one or more universal interfaces comprise a source-specific data transfer session

3   having instructions for converting data transferred through the source-specific

4   data transfer session.

1   22. (Original) The method as set forth in claim 12 wherein the one or

2   more arbitrary components comprise a device, network service, application,

3   data, memory, file directory or individual file.

1   23. (Currently amended) A computer readable medium having

2   stored thereon instructions for enabling one or more arbitrary

3   components to communicate with each other, which when executed by

4   one or more processors, causes the processors to perform:

5   discovering a first component at a second component;

6   obtaining one of one or more universal interfaces associated with

7   the first component at the second component, wherein the one or more

8   universal interfaces comprise executable code and data;

9   automatically invoking at least one of the universal interfaces at the

10   second component to communicate with the first component ; and

11   wherein the second component and the first component do not share a

12   standard communication protocol <u>which is distinct from a discovery protocol</u>.

1   24. (Original) The medium as set forth in claim 23 further comprising

2 transferring a data object to a second component, the data object having the one

3 or more universal interfaces.

1   25. (Original) The medium as set forth in claim 23 further comprising

2 transferring a data object to a second component, the data object having

3 instructions and data for enabling the second component to use the one or more

4 universal interfaces.

1   26. (Original) The medium as set forth in claim 23 further comprising

2 transferring a data object to a second component, the second component having

3 instructions and data for enabling it to use the one or more universal interfaces.

1   27. (Original) The medium as set forth in claim 23 wherein a second

2 component interacts with an operating system environment, the operating

3 system environment having instructions and data for enabling the second

4 component to use the one or more universal interfaces.

1   28. (Original) The medium as set forth in claim 23 wherein a second

2 component performs instructions for using the one or more universal interfaces.

1   29. (Original) The medium as set forth in claim 23 wherein a third

2 component transfers a data object to a second component, the data object having

3 the one or more universal interfaces associated with the first component.

1   30. (Original) The medium as set forth in claim 23 wherein the one or

2 more universal interfaces comprise a data source interface, a data sink interface,

3 an aggregation interface, a mutable aggregation interface, a context interface, a

4   notification interface or a user interface.

1   31. (Original) The medium as set forth in claim 23 wherein the one or

2   more universal interfaces comprise object-oriented mobile code having

3   instructions for obtaining, interpreting, viewing or modifying obtaining, viewing

4   or modifying data associated with a collection of components, providing an

5   interface to allow requested components to be accessed or manipulated directly,

6   allowing requested components to provide the one or more other components

7   with status updates of the requested components or retrieving contextual data

8   associated with the second component.

1   32. (Original) The medium as set forth in claim 23 wherein one of the

2   one or more universal interfaces comprise a source-specific data transfer session

3   having instructions for converting data transferred through the source-specific

4   data transfer session.

1   33. (Original) The medium as set forth in claim 23 wherein the one or

2   more arbitrary components comprise a device, network service, application,

3   data, memory, file directory or individual file.

1   34 – 44 (Cancelled).